

Title (en)

ELECTRONIC CONTROL DEVICE AND SECURITY VERIFICATION METHOD FOR ELECTRONIC CONTROL DEVICE

Title (de)

ELEKTRONISCHE STEUERVORRICHTUNG UND VERFAHREN ZUR SICHERHEITSÜBERPRÜFUNG EINER ELEKTRONISCHEN STEUERVORRICHTUNG

Title (fr)

DISPOSITIF DE COMMANDE ÉLECTRONIQUE ET PROCÉDÉ DE VÉRIFICATION DE SÉCURITÉ POUR DISPOSITIF DE COMMANDE ÉLECTRONIQUE

Publication

**EP 3895939 A1 20211020 (EN)**

Application

**EP 20748559 A 20200115**

Priority

- JP 2019013764 A 20190130
- JP 2020000950 W 20200115

Abstract (en)

The present invention provides a technology to ensure security during fast boot-up. Provided according to the present invention is an electronic control device installed on a mobile body, the electronic control device including a controller which controls a microcomputer using code, a security verifier which makes security verification of the code, and boot-up code which is part of the code and is executed when the microcomputer is booted. The controller enables, when the code or the boot-up code has been verified by the security verifier at the time of a transition of the microcomputer to a shutdown state, the boot-up code to be executed during next boot-up.

IPC 8 full level

**B60R 16/02** (2006.01); **G06F 21/57** (2013.01)

CPC (source: EP US)

**B60R 16/02** (2013.01 - US); **G06F 9/4401** (2013.01 - EP); **G06F 9/4418** (2013.01 - US); **G06F 21/575** (2013.01 - EP US); **B60R 16/023** (2013.01 - EP)

Cited by

US11500996B2

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Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 3895939 A1 20211020**; **EP 3895939 A4 20220824**; **EP 3895939 B1 20240911**; CN 113348110 A 20210903; CN 113348110 B 20240322; JP 7091486 B2 20220627; JP WO2020158377 A1 20211014; US 2022171855 A1 20220602; WO 2020158377 A1 20200806

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